

## WHAT IS CLAIMED IS:

1. An antenna, an antenna sheet material folded up to form an antenna,  
the antenna sheet material comprising a radiating plate, a feeding plate, and a  
ground plate;

5        wherein the radiating plate, the feeding plate, and the ground plate are  
manufactured to a unity, and the feeding plate and the ground plate extend in  
the same direction.

2. The method according to claim 1, wherein the length of the radiating  
plate is approximate quarter wavelength corresponding to the operating  
10    frequency of the antenna.

3. An antenna, an antenna sheet material folded up to form an antenna,  
the antenna sheet material comprising:

a radiating plate,

a feeding plate, and

15        a ground plate;

wherein the longer side of the feeding plate is parallel to the longer side  
of the ground plate.

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